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MONTANA OIL AND GAS STATISTICAL BULLETIN

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HELENA, MONTANA 59601

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1721 ELEVENTH AVENUE
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JUDSON D. SWEET, PETROLEUM ENGINEER
15 POLY DRIVE
BILLINGS, MONTANA 59101

CHARLES G. MAIO, GEOLOGIST
15 POLY DRIVE
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BOARD OF OIL AND GAS CONSERVATION
SAVINGS BLDG.
HELENA, MONTANA 59601

Vol. XXV, No. 3 **MARCH, 1976**

Production of crude oil and condensate from the oil and gas areas of Montana for the month of March, 1976, averaged 90,498 barrels daily, a decrease of 5,526 barrels from the average 96,024 production in February.

The seven refineries in the state processed 132,822 barrels of crude oil daily for the month of March, 1976, an increase of 1,489 barrels from the 131,333 barrtls processed daily during the month of February.

During March, 75 wells were completed, 12 oil, 25 gas, and 38 dry holes.

During March, the Board issued 49 permits to drill new wells, an increase of 14 from the 35 permits issued during February.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC. IN MONTANA
MONTH OF MARCH, 1976

IN STORAGE MARCH 1st	
By Producers	310,165
By Transporters	1,244,968
By Refiners	1,288,057
TOTAL STORAGE	2,843,190
Produced in Montana During Month	2,805,424
Imported During Month	3,411,277
TOTAL	9,059,891
DISPOSITION:	
Refined in Montana	4,117,490
Exported	2,095,924
Used for Fuel or Lost	4,332
TOTAL	6,217,746
IN STORAGE MARCH 31st	
By Producers	312,369
By Transporters	1,326,897
By Refiners	1,202,879
TOTAL STORAGE	2,842,145

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA
Month of March, 1976

Field	M. C. Ft.
NATURAL:	
Big Coulee	185,849
Black Coulee	7,048
Blackjack	37,048
Bowdoin	528,468
Bowes	85,692
Brown's Coulee	4,266
Cedar Creek	147,263
Canadian Coulee	58,969
Coal Coulee	6,874
Cut Bank (including Reagan)	524,461
Dry Creek	70,608
Ethridge	7,119
Flat Coulee	18,319
Fresno	14,383
Grandview	19,540
Hardin	1,576
Keith Block	117,543
Kevin Sunburst	56,156
Kicking Horse	28,770
Kinyon Coulee Area	15,975
Lake Basin	58,777
Liscom Creek	27,123
Middle Butte	1,774
Middle Dry Creek	5,638
Mt. Lilly	29,399
North Clark Fork	723
Plevna	4,888
Pumpkin Creek	81,579
Rapelje	56,258
Sherard	146,414
Strawberry Creek Area	6,378
South Clark Fork	1,820
South Devon	12,484
Tiger Ridge	1,344,058
Trail Creek	16,723
Utopia	60,870
West Butte	91,563
Whitlash	79,708
ASSOCIATED:	
Bell Creek	32,450
Cabin Creek	43,556
Elk Basin	76,885
Fairview	53,280
Glendive	275
Pine	41,384
Richland	47,122
Tule Creek	5,378
TOTAL	4,262,434

Total withdrawals for March, 1975 were 3,913,556 MCF.

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PRODUCERS REPORT—MONTH OF MARCH, 1976

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
4	Arch Apex	5	1,017	2,501	----	2,512	----	1,006
3	Ash Creek	3	445	600	----	589	----	456
1	Bainville	1	2,106	178	----	----	----	2,284
3	Bannaytne	3	403	602	602	----	----	403
5	Bear's Den	6	1,317	885	----	1,019	----	1,183
15	Bell Creek	196	14,384	735,934	733,232	----	(1)	17,087
1	Benrud	1	223	869	----	872	31	189
3	Benrud East	3	2,211	15,372	----	16,158	----	1,425
1	Benrud Northeast	1	734	1,501	----	1,729	----	506
1	Berthelote	1	452	119	429	----	----	142
3	Big Muddy Creek	4	3,189	21,638	21,500	----	----	3,327
5	Big Wall	5	918	5,757	5,833	----	----	842
4	Blackfoot	5	459	1,449	1,487	----	----	421
4	Border	9	3,354	1,003	----	1,018	----	3,339
1	Bowes	51	3,869	11,209	10,830	----	----	4,248
1	Bradley	1	281	486	406	----	----	361
1	Brady	1	----	213	213	----	----	----
4	Brorson-Madison	4	1,139	2,122	----	2,618	----	643
5	Brorson-Red River	5	5,702	4,729	----	4,953	----	5,478
3	Brorson-Red River South	3	1,483	7,737	----	8,306	----	914
5	Brush Lake	5	1,424	8,317	8,944	----	----	797
1	Burns Creek	1	374	818	----	800	----	392
2	Cabin Creek	84	----	153,449	153,449	----	----	----
1	Canal	1	788	1,549	----	1,752	----	585
8	Cat Creek	49	2,284	9,463	9,839	----	----	1,908
----	Clark's Fork	----	11	----	----	----	----	11
1	Clark's Fork North	1	225	40	----	----	----	265
1	Clark's Fork South	1	928	448	----	----	----	1,376
1	Conrad South	1	----	204	204	----	----	----
2	Cow Creek	2	283	418	----	536	----	165
7	Cow Creek East	8	1,586	27,425	----	27,048	----	1,963
1	Culbertson	1	445	475	----	422	----	498
11	Cupton	11	6,159	10,032	6,093	2,262	----	7,836
133	Cut Bank	837	32,660	190,643	173,206	15,234	(9)	34,872
----	Dean Dome	----	553	----	----	----	----	553
1	Deer Creek	1	561	869	1,335	----	----	95
----	Delphia	----	88	----	----	----	----	88
----	Devil's Basin	----	464	----	----	----	----	464
1	Dry Creek	1	221	2,229	1,975	----	----	475
2	Dwyer	10	3,997	9,657	9,093	----	----	4,561
3	Elk Basin	52	600	87,720	87,713	----	----	607
5	Elk Basin Northwest	9	1,572	4,367	4,166	----	----	1,773
5	Fairview	9	9,698	32,347	6,247	26,358	----	9,440
2	Fertile Prairie	2	676	1,487	----	1,392	----	771
4	Flat Coulee	20	2,196	10,600	10,384	----	----	2,412
27	Flat Lake	49	4,159	51,690	51,210	----	----	4,639
3	Flat Lake South	3	572	1,860	1,928	----	----	504
1	Ft. Gilbert	2	374	6,178	6,013	----	----	539
----	Four Mile Creek	----	98	----	(8)	----	----	106
1	Frannie	1	----	713	713	----	----	----
9	Fred and George Creek	27	8,191	43,025	49,574	----	----	1,642
1	Froid South	1	759	353	----	842	----	270
1	Gage	1	29	152	----	----	----	181
3	Gas City	16	4,894	17,352	16,297	----	----	5,949
----	Girard	----	961	----	----	----	----	961
12	Glendive	14	3,278	20,679	21,538	----	----	2,419
13	Goose Lake	31	3,811	23,491	24,083	----	----	3,219
12	Graben Coulee	33	8,558	4,961	3,873	1,888	----	7,758
5	Gumbo Ridge	6	1,992	14,561	----	14,902	----	1,651
2	Gypsy Basin	3	2,138	486	----	628	----	1,996
1	Hay Creek-Mission Canyon	1	139	691	726	----	----	104
1	Hay Creek-Red River	1	448	2,487	2,560	----	----	375
4	Hiawatha	4	1,428	4,071	3,500	----	13	1,986
1	Hibbard	1	435	513	----	396	----	552
1	Howard Coulee	1	237	452	392	----	----	297
5	Ivanhoe	10	1,652	2,408	2,122	----	----	1,938
2	Jim Coulee	18	4,544	48,313	49,938	----	----	2,919
5	Keg Coulee	21	4,508	12,806	12,607	----	45	4,662
2	Keg Coulee North	2	1,014	2,134	2,146	----	----	1,002
1	Kelley	3	754	4,256	4,522	----	----	488
73	Kevin Sunburst	426	11,393	25,660	3,134	22,473	(8)	11,454
1	Laird Creek	11	897	1,594	----	1,517	----	974
1	Landslide Butte	1	337	220	----	----	----	557
3	Leary	3	1,693	4,433	----	4,894	41	1,191
2	Little Beaver	24	78	39,899	39,960	----	----	17
2	Little Beaver East	9	1,771	13,715	13,448	----	----	2,038
9	Little Wall Creek	10	3,294	31,495	30,988	----	----	3,801
1	Lodge Grass	1	345	747	----	683	----	409
2	Lone Butte	2	740	4,758	----	4,506	----	992
7	Lonetree Creek	7	4,045	19,553	----	18,627	----	4,971
3	Lookout Butte (Coral Creek)	29	596	46,508	46,532	----	----	572
2	Mason Lake	2	124	371	359	----	----	136
2	Melstone	3	537	1,822	1,316	----	----	1,043
1	Mineral Bench	1	283	295	402	----	----	176
----	Miner's Coulee	----	----	(608)	----	(608)	----	----
4	Monarch	14	3,038	15,243	12,721	2,370	----	3,190
4	Mosser	4	----	721	----	721	----	----
1	Nohly	2	1,112	8,794	----	9,156	----	750
3	Otis Creek	3	1,368	4,040	----	3,677	----	1,731
6	Outlook	7	6,646	26,388	28,254	----	----	4,780
1	Outlook South	1	693	1,050	----	----	----	1,743
2	Outlook West	2	1,457	616	715	----	----	1,358
1	Pennel	112	----	238,785	238,785	----	----	----
4	Pine	110	12,642	204,522	204,609	----	----	12,555
62	Pondera	285	5,070	24,896	25,079	----	1	4,886
6	Poplar	63	9,135	33,535	32,947	----	----	9,723
6	Poplar Northwest	8	2,473	10,205	10,186	----	----	2,492
----	Prairie Elk	----	747	----	----	----	----	747
----	Pritchard Creek	----	----	----	----	----	----	----
1	Putnam	2	242	1,288	----	1,288	----	242
3	Rabbit Hills	3	1,477	4,738	----	4,593	----	1,622
11	Ragged Point	22	5,822	12,269	12,188	----	----	5,903
1	Rattlesnake Coulee	1	502	198	----	204	----	496
6	Raymond	7	1,848	14,439	14,655	----	----	1,632
2	Raymond Northeast	2	1,067	3,689	3,521	----	----	1,235
3	Reagan	53	835	13,189	13,048	----	----	976
1	Red Creek	19	----	10,120	9,917	203	----	----
1	Red Fox	1	342	427	653	----	----	116
1	Redstone	1	388	1,330	1,463	----	----	255
1	Repeat	1	200	995	----	915	----	280
3	Reserve	4	2,156	2,760	2,471	----	----	2,445
1	Richey	1	79	97	----	----	----	176
1	Richey Southwest	5	345	797	----	411	----	731
2	Riprap Coulee	2	668	2,435	2,202	----	62	839
4	Rosebud	5	2,414	8,184	9,082	----	----	1,516
1	Rush Mountain	1	552	2,084	2,181	----	----	455
2	Salt Lake	3	350	1,649	----	1,560	----	439
3	Sand Creek	4	727	2,817	2,817	----	----	727
3	Second Creek	3	898	9,891	----	9,626	----	1,163
3	Sheepherder	3	432	1,284	1,013	----	(4)	707
4	Sioux Pass	5	2,751	22,378	22,352	----	----	2,777
6	Sioux Pass North	6	3,926	24,444	27,719	----	----	651
1	Snyder	3	415	544	----	410	208	341
8	Soap Creek	22	2,227	4,670	4,498	----	----	2,399
1	Spring Lake	2	449	595	----	598	----	446
5	Stensvad	10	5,497	20,610	20,815	----	----	5,292
28	Sumatra	101	11,115	184,389	175,911	----	1,145	18,448
5	Tule Creek	5	3,826	10,848	----	13,252	----	1,422
2	Tule Creek East	2	690	1,951	----	1,729	----	912
3	Tule Creek South	3	679	1,567	----	841	----	1,405
2	Vida	2	421	273	----	207	----	487
5	Volt	6	3,688	9,491	----	10,017	----	3,162
2	Wagon Box	2	71	338	----	----	----	409
3	Weldon	3	1,198	3,678	3,998	----	----	878
25	Whitlash	53	8,540	10,802	9,710	----	----	9,632
----	Whitlash West	----	284	----	----	----	----	284
2	Willow Creek North	2	393	1,478	1,540	----	----	331
2	Wills Creek South	2	----	2,621	2,621	----	----	----
4	Winnett Junction	4	1,015	3,203	----	3,485	----	733
2	Wolf Springs	2	703	1,201	----	978	----	926
2	Woodrow	2	402	1,484	1,773	----	----	113
3	Wright Creek	5	1,296	976	863	----	----	1,409
----	Wildcat, Liberty Co.	----	47	----	----	----	----	47
----	Wildcat, McCone Co.	----	52	----	----	----	----	52
2	Wildcat, Musselshell County	2	473	882	----	813	----	542
3	Wildcat, Richland Co.	3	767	7,866	----	7,152	----	1,481
1	Wildcat, Roosevelt Co.	1	288	617	----	653	----	252
1	Wildcat, Rosebud County	1	413	3,374	----	3,151	----	636
1	Wildcat, Toole Co.	1	229	114	----	----	----	343
764	TOTALS	3,196	310,165	2,805,424	2,537,360	264,336	1,524	312,369

•Montana oil only.

TRANSPORTERS REPORT—MONTH OF MARCH, 1976

	Storage First of Month	Oil Received By			Loss or Gain	Oil Shipped to			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Western Crude Oil Co.			589				589		
BEAR'S DEN—Truck			1,019				1,019		
BELL CREEK—Continental Pipeline	20,060	733,934						729,251	24,743
BIG WALL—Continental Pipeline Co.		5,833				5,833			
BLACKFOOT—Phillips Petroleum Co.		1,487						1,487	
BORDER—Permian Corp.			1,018					1,018	
BOWES—Texaco		10,830					10,830		
BRORSON-MADISON, BRORSON-RED RIVER & BRORSON-RED RIVER SOUTH—Koch Oil Co.			15,877					15,877	
BRUSH LAKE—Portal Pipeline Co.		8,944					8,944		
BURNS CREEK—Western Crude Oil, Inc.			800				800		
CABIN CREEK & OTHERS[1]—									
Butte Pipeline Co.	279,198	403,184	27,289	1,109,270			1,428,921	121,828	268,192
Shell Pipeline Co.	3,611	305,285		44,261	289			348,535	4,333
	282,809	708,469	27,289	1,153,531	289		1,428,921	470,363	272,525
CANAL—Koch Oil Co.			1,752				1,752		
CAT CREEK—Continental Pipeline Co.		10,039				10,039			
COW CREEK & COW CREEK EAST—Western Crude Oil, Inc.			27,584				27,584		
CUT BANK—									
Continental Pipeline Co.		195,547	8,599					204,146	
Phillips Petroleum Co.	48,597	70,354		75,238	1,913	156,895			35,381
Texas Pipeline Co.	11,225	90,378				82,443			19,160
Union Oil Co.	44,583	47,977			775	46,360			45,425
Western Oil Trans. Co.		38,341				38,341			
Western Oil Trans. Co. (Moulton)		66,050				66,050			
	104,405	508,647	8,599	75,238	2,688	390,089		204,146	99,966
DWYER—Portal Pipeline Co.		9,090					9,090		
ELK BASIN & ELK BASIN NORTH-WEST—Marathon Pipeline Co.		91,491				91,491			
FAIRVIEW—									
Fairview Pipeline Co.		6,247					6,247		
Koch Oil Co.			26,358				26,358		
		6,247	26,358				32,605		
FLAT COULEE—Phillips Petroleum Co.		10,384				10,384			
FLAT LAKE & FLAT LAKE SOUTH—Portal Pipeline Co.		50,595					50,595		
FT. GILBERT—Fairview Pipeline Co.		6,013					6,013		
FRANNIE—Interstate Pipeline Co.		713					713		
FRED & GEORGE CREEK—									
Phillips Petroleum Co.	15,900	49,574			693	51,819			12,962
GLENDIVE, DEER CREEK, WOOD-ROW & SAND CREEK—Texas Pipeline Co.	4,052	21,772						20,687	5,137
GOOSE LAKE—Portal Pipeline Co.		21,370					21,370		
GUMBO RIDGE—Permian Corp.			14,902					14,902	
HAY CREEK—Fairview Pipeline Co.		3,286					3,286		
HIAWATHA—Continental Pipeline Co.		3,500					3,500		
IVANHOE—Continental Pipeline Co.		2,122				2,122			
JIM COULEE—Continental Pipeline Co.		49,938						49,938	
KEG COULEE & KEG COULEE NORTH—Continental Pipeline Co.		14,753				14,753			
KELLY—Continental Pipeline Co.		4,522				4,522			
KEVIN SUNBURST—									
Big West Oil Co.	4,070	19,479				18,149			5,400
Homestake Oil & Gas Co.	1,547	3,231				3,684			1,094
Texas Pipeline Co.	16,063	7,339				6,165			17,237
Northern Montana Oil Service	188		21,230			19,479			1,939
	21,868	30,049	21,230			47,477			25,670
LEARY—Permian Corp.			4,894				4,894		
LODGE GRASS—Permian Corp.			683			683			
LONE TREE CREEK—Koch Oil Co.			18,627					18,627	
MASON LAKE—Continental Pipeline Co.		359				359			
MELSTONE—Continental Pipeline Co.		1,316				1,316			
MIDDLE WALL—Continental Pipeline Co.[2]		28,255					28,255		
MOSSER—Permian Corp.			721				721		
NOHLY—Koch Oil Co.			9,156				9,156		
OTIS CREEK—Western Crude Oil Co.			3,677				3,677		
OUTLOOK, OUTLOOK SOUTH & OUTLOOK WEST—Portal Pipeline Co.		28,969						28,969	
PONDERA—Phillips Petroleum Co.	28,622	26,685			320	26,305			28,682
POPLAR, RED FOX, REDSTONE—East Poplar Gathering System	21,949	47,765			144			59,346[3]	10,224
PUTNAM—Western Crude Oil Co.			1,288				1,288		
RABBIT HILLS—Koch Oil Co.			4,593				4,593		
RAGGED POINT—Continental Pipeline Co.		12,188				10,442	1,746		
RAYMOND—Portal Pipeline Co.		18,176					18,176		
RED CREEK—Western Oil Transportation Co.		14,767						14,767	
RESERVE—Portal Pipeline Co.		2,471					2,471		
RIPRAP COULEE—Portal Pipeline Co.		2,202						2,202	
ROSEBUD—Continental Pipeline Co.		9,082				9,082			
RUSH MOUNTAIN—Sinclair Ref. Co.		2,181					2,181		
SALT LAKE—Koch Oil Co.			1,560				1,560		
SECOND CREEK—Koch Oil Co.			9,626				9,626		
SHEEPHERDER—Continental Pipeline Co.		1,013						1,013	
SIOUX PASS—Continental Pipeline Co.		50,071					50,071		
SNYDER—Permian Corp.			410			410			
SPRING LAKE—Koch Oil Co.			598				598		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	734,920	212,269		2,195,317	(1326)	161,948		2,143,338	838,546
TULE CREEK, BENRUD, VOLT & OTHERS[4]—									
Tesoro Petroleum	10,383		45,021			46,962			8,442
Permian Corp.			841			841			
	10,383		45,862			47,803			8,442
WHITLASH & WHITLASH WEST—Phillips Petroleum Co.		9,710				9,710			
WINNETT JUNCTION—Truck			3,485			3,485			
WOLF SPRINGS—Permian Corp.			978			978			
WILDCAT WELLS—Truck			11,769					11,769	
TOTAL	1,244,968	2,831,081	264,944	3,424,086	2,808	901,050	1,746,624	3,787,700	1,326,897

[1]Cabin Creek, Cupton, Fertile Prairie, Gas City, Monarch, Repeat, Vida, Weldon and Wills Creek South.
[2]Little Wall Creek and Willow Creek North.
[3]Transferred to Butte Pipeline Co.
[4]Benrud, Benrud East, Benrud Northeast, Culbertson, Froid, Four Buttes, Tule Creek, Tule Creek East, Richey Southwest and Volt.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF MARCH, 1976

	Big West Oil Co.	Continental Oil Co.	Exxon Co.	Farmers Union	Phillips Petr. Co.	Tesoro Petr. Co.	Westco Refining Co.	Total
Big Wall		5,833						5,833
Cat Creek		2,569		7,470				10,039
Cut Bank					101,670		120,264	221,934
Elk Basin		36,414	28,912	26,165				91,491
Flat Coulee							10,384	10,384
Fred and George Creek	7,677							7,677
Ivanhoe		2,122						2,122
Keg Coulee		10,592	2,473	1,688				14,753
Kelley			4,522					4,522
Kevin Sunburst	12,500							12,500
Lodge Grass		683						683
Mason Lake		359						359
Melstone				1,316				1,316
Pondera					19,252			19,252
Ragged Point		10,442						10,442
Rosebud		9,082						9,082
Richey Southwest						618		618
Snyder		410						410
Sumatra and Stensvad		67,649	54,834	40,765				163,248
Tule Creek and Others						57,944		57,944
Whitlash					35,351			35,351
Winnett Junction				3,485				3,485
Wolf Springs			978					978
Volt						21,790		21,790
TOTAL Montana Oil	20,177	146,155	91,719	80,889	156,273	80,352	130,648	706,213
Canadian Oil Imported	68,316	895,515	477,941	448,064	30,987			1,920,823
Wyoming Oil Imported		415,096	601,882	473,476				1,490,454
TOTAL Montana, Canadian and Wyoming Oil	88,493	1,456,766	1,171,542	1,002,429	187,260	80,352	130,648	4,117,490

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year: 1975	24,463	53,077	54,237	131,777
March, 1975	23,283	52,791	51,958	128,032
March, 1976	22,781	61,962	48,079	132,822

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
	18.56%	40.28%	41.16%
	18.19%	41.23%	40.58%
	17.15%	46.65%	36.20%

Total Oil Produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1975	32,843,558	89,982	32,601,792	89,320
January, 1976	2,732,537	88,146	2,767,593	89,277
February, 1976	2,610,695	90,024	2,587,912	89,238
March, 1976	2,805,424	90,498	2,802,304	90,397

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage*	Total Oil In Storage**
December, 1975	325,804	1,339,123	1,000,787	2,665,714
January, 1976	288,659	1,352,757	1,054,201	2,695,617
February, 1976	310,165	1,244,968	1,288,057	2,843,190
March, 1976	312,369	1,326,897	1,202,879	2,842,145

*Montana oil only. **Includes Wyoming oil.